



Star



Glitter ball



Bauble



Tree lights



Tinsel



Fire



Candle



Parcel



Glitter



Neon light

Shiny Christmas Objects or Christmas Light Sources?



These are Christmas light sources

--	--	--	--	--

These are shiny Christmas objects

--	--	--	--	--

Sort out the Christmas light sources (the things that make light) from the shiny Christmas objects (the things that reflect light). Cut and paste them in to their correct group on the page.



Grouping Christmas Animals



These are all birds because



These are all mammals because

Cut and paste the Christmas animals into their correct groups on the page. Use the box below to say why the animals are either all birds or all mammals. The reminders below will help you.

They all lay eggs.

They are all covered in hair or fur.

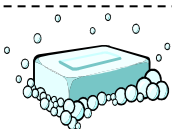
They are all covered in feathers.

They give birth to live young.

They feed their babies with milk.



TV



Soap



Book



Turkey



Tree



Slippers



Hot
chocolate



Singing



Teddy



Bells



Flowers



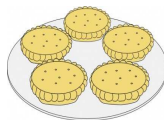
iPod



Perfume



Doll



Mince

Using our senses to explore Christmas

Seeing	Touching	Hearing	Tasting	Smelling

Cut and paste the items on the table depending on the main sense we use to find out about and enjoy them.

Tally marks / / /

Roast Turkey	
Mince pies	
Christmas pudding	
Sprouts	
Satsumas	

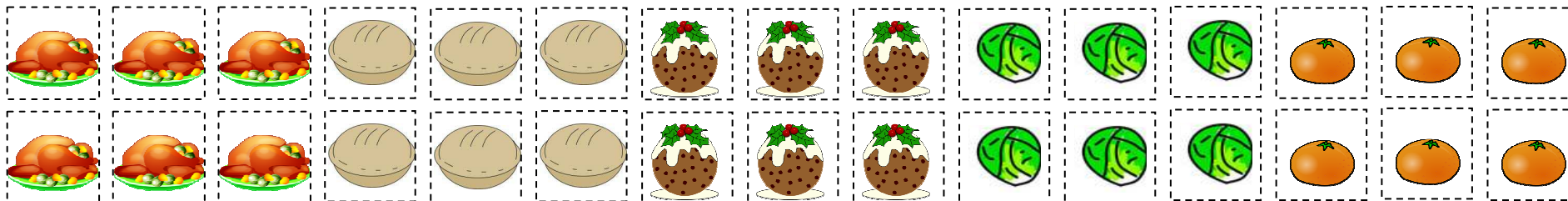
Find out which of these Christmas foods are the most popular in your class. Complete the survey (using tally marks) then cut and paste the food images into their correct place on the pictograph. You may have to think about how many votes one image represents!



Favourite Christmas Foods



Roast Turkey	Mince pies	Christmas pudding	Sprouts	Satsumas





Christmas shopping trolley



Dad's Christmas violin (bow)



Christmas toy car



Santa's sleigh



Christmas cracker



Christmas paint brush



Dad's Christmas rowing machine



Christmas dolly and pram



Mum's Christmas pool cue



Christmas forces - Push or Pull?



Things moved by pushing

Things moved by pulling

Things moved by pushing and pulling

Look at the Christmas items in each of the pictures. Try to identify the main force, either *push*, *pull* or both that is used to make them work and/or move.



Matching Christmas animals with their babies

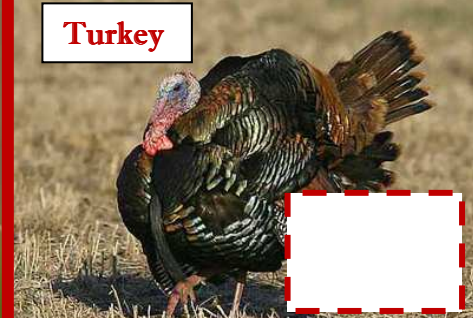
Sheep



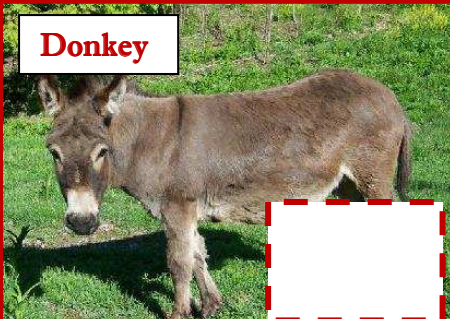
Robin



Turkey



Donkey



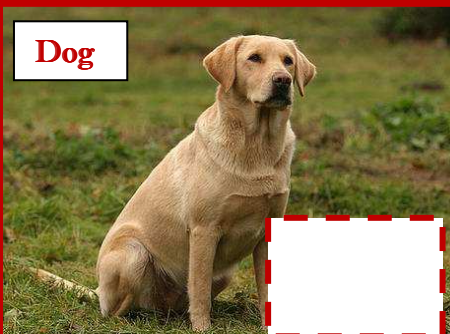
Camel



Penguin



Dog



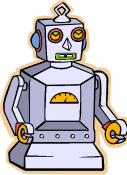
Reindeer



Owl



All animals have babies. Some of these babies look like their parents and some do not. Can you match the Christmas adult animals with their babies (cut and paste).



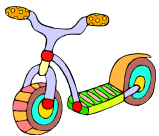
Robot



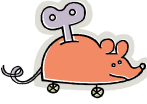
Jack in the box



Electric toothbrush



Scooter



Clockwork mouse



Remote control car




Electric shaver




iPod music player


Using Electricity at Christmas	
These Christmas gifts use electricity	These Christmas gifts do not use electricity
<div></div>	<div></div>
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Bicycle



Drum

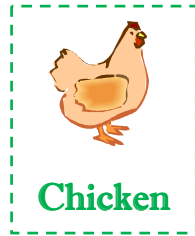
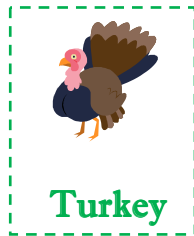
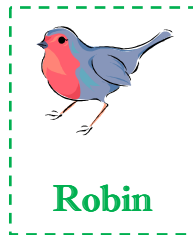
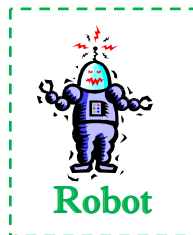


Flashlight



Teddy bear

Sort the Christmas gifts into the following two groups: 'These Christmas gifts use electricity' and 'These Christmas gifts do not use electricity'. You should have six gifts in each group.



Christmas things – living or not living?



These things are living	These things are not living

Cut and paste the Christmas items into their correct group 'These things are living' or 'These things are not living'. Compare your selections with a friend and try to explain how you made your choices.

Christmas materials



These things are made from shiny materials

These things are made from soft materials

These things are made from hard materials

These things are made from bendy materials



Bat



Glitter ball



Teddy



Gloves



Bauble



String



Socks



Balloon



Scarf



Spoon



Mug



Glitter

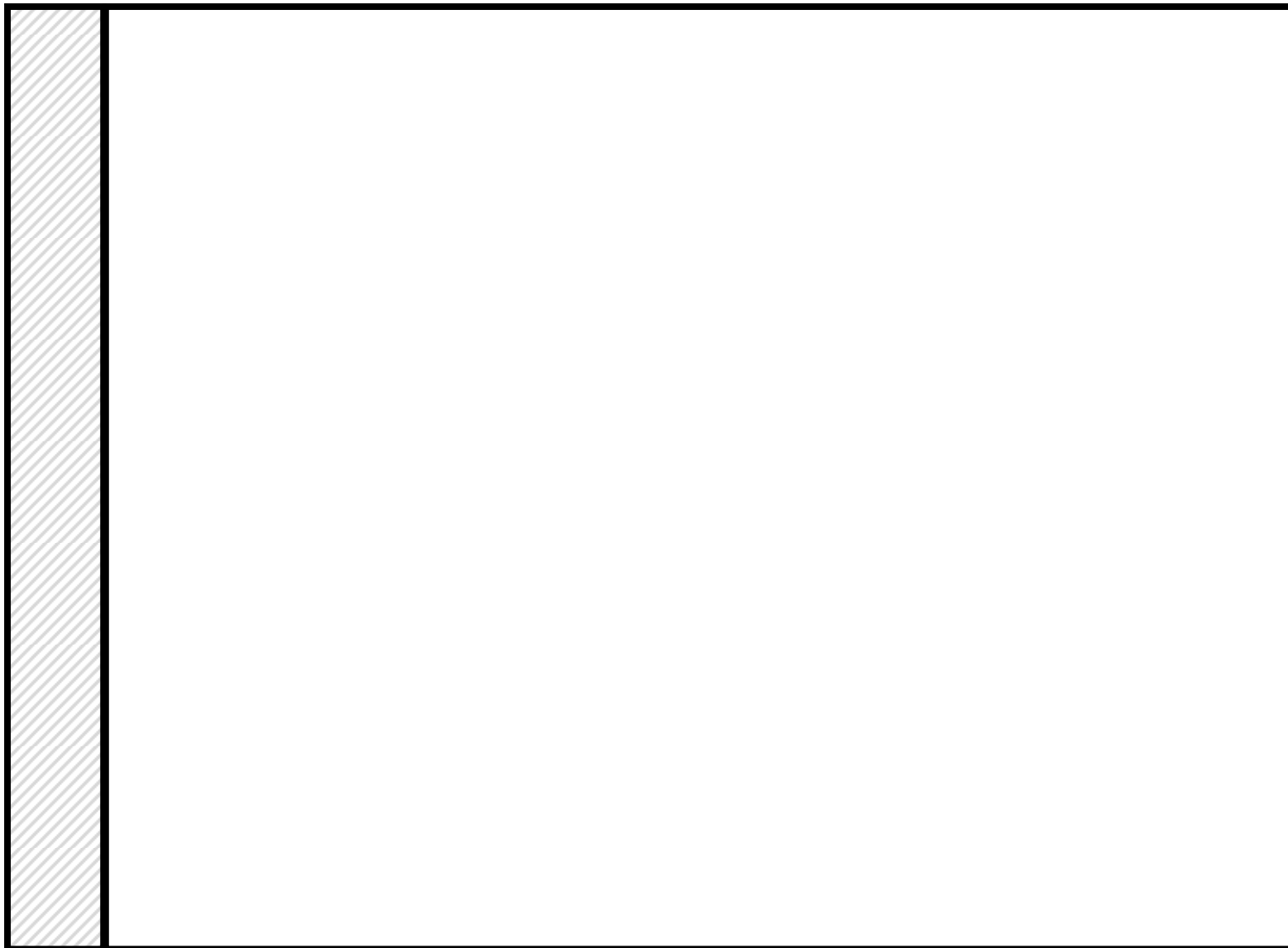


Tinsel



Book

Cut and paste the items into the box which identifies their main material property. Some of the items may be able to be placed in more than one box! You decide which box to place it in.



Additional page for any extra tasks or investigations the pupils and/or teachers would like to include in their Christmas booklet.

Teacher/pupil notes:

- The Sigma Science Christmas booklet is designed to be fun while reinforcing some of the key scientific thinking and learning objectives covered in KS1.
- Teachers decide how to use the booklet: whole class activities, small groups or individual activities. Pupils do not have to complete every page or activity to make their booklet
- Teachers and pupils can use the blank to design their own additional Christmas science activity
- To construct the booklet all the pupils need to do is to cut out each completed page and glue them together using the glue tabs.
- Pupils can design their own Sigma Science Christmas cover



Sigma Christmas Investigations



By _____



Sigma Science wishes you all a happy Christmas and we hope you enjoy using our booklet. Please visit our website at www.sigmascience.co.uk to find out what else we have to offer.